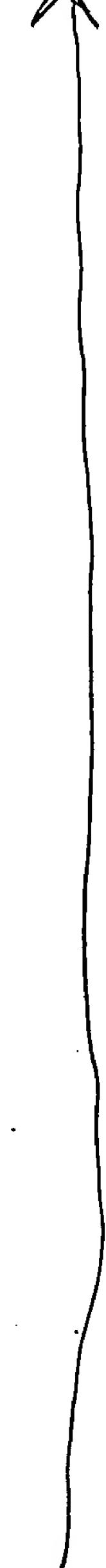


<b>FORM PTO-1449 U.S. Department of Commerce</b> Patent and Trademark Office				Attorney Docket Number RA9-98-074/4269-61		Serial No. To Be Assigned	
<b>LIST OF DOCUMENTS CITED BY APPLICANT</b>  (Use several sheets if necessary)				Applicant: Abdelilah et al.			
Filing Date : Concurrently Herewith				Group To Be Assigned			

U. S. PATENT DOCUMENTS							
Examiner Initial	Serial No.	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>Ph</i> 	1	5,835,538	11/10/98	Townshend	375	295	
	2	5,831,561	11/3/98	Cai et al.	341	106	
	3	5,809,075	9/15/98	Townshend	375	254	
	4	5,801,695	9/1/98	Townshend	375	340	
	5	5,793,809	8/11/98	Holmquist	375	242	
	6	5,784,405	7/21/98	Betts et al.	375	222	
	7	5,778,024	7/7/98	McDonough	375	216	
	8	5,768,311	6/16/98	Betts et al.	375	222	
	9	5,761,247	6/2/98	Betts et al.	375	316	
	10	5,757,849	5/26/98	Gelblum et al.	375	222	
	11	5,754,594	5/19/98	Betts et al.	375	285	
	12	5,729,226	3/17/98	Betts et al.	341	94	
	13	5,598,401	1/28/97	Blackwell et al.	379	94	
	14	5,546,395	8/13/96	Sharma et al.	370	84	
	15	5,534,913	7/9/96	Majeti et al.	348	7	
	16	5,528,679	6/18/96	Taarud	379	34	
	17	5,528,625	6/18/96	Ayanoglu et al.	375	222	
	18	5,406,583	4/11/95	Dagdeviren	375	5	
	19	5,394,437	2/28/95	Ayanoglu et al.	375	222	
	20	5,394,110	2/28/95	Mizoguchi	329	304	
	21	5,291,479	3/1/94	Vaziri et al.	370	58.2	
	22	5,253,291	10/12/93	Naseer et al.	379	406	
	23	5,210,755	5/11/93	Nagler et al.	370	108	
	24	5,157,690	10/20/92	Buttle	375	14	
	25	5,134,611	7/28/92	Steinka et al.	370	79	
	26	5,119,403	6/2/92	Krishnan	375	39	
	27	5,119,401	6/2/92	Tsujimoto	375	14	

EXAMINER

DATE CONSIDERED

\*EXAMINER

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

03/08/99  
 09/26/05  
 U.S. PTO

<b>FORM PTO-1449 U.S. Department of Commerce</b> Patent and Trademark Office					Attorney Docket Number RA9-98-074/4269-61		Serial No. To Be Assigned	
<b>LIST OF DOCUMENTS CITED BY APPLICANT</b> (Use several sheets if necessary)					Applicant: Abdelilah et al.			
Filing Date : Concurrently Herewith					Group To Be Assigned			

<i>Ph</i> 	28	5,067,125	11/19/91	Tsuchida	370	79	
29	5,052,000	9/24/91	Wang et al.	371	43		
30	5,040,190	8/13/91	Smith et al.	375	4		
31	5,033,062	7/16/91	Morrow et al.	375	7		
32	5,014,299	5/7/91	Klupt et al.	379	98		
33	4,995,030	2/19/91	Helf	370	32.1		
34	4,985,902	1/15/91	Gurcan	375	14		
35	4,972,360	11/20/90	Cuckier et al.	364	724.04		
36	4,901,333	2/13/90	Hodgkiss	375	98		
37	4,890,303	12/26/89	Bader	375	107		
38	4,884,285	11/28/89	Heynen et al.	375	25		
39	4,868,863	9/19/89	Hartley et al.	379	98		
40	4,797,898	1/10/89	Martinez	375	7		
41	4,760,598	7/26/88	Ferrell	380	44		
42	4,720,861	1/19/88	Bertrand	381	36		
43	4,578,796	3/25/86	Charalambous et al.	375	8		
44	4,577,310	3/18/86	Korsky et al.	370	58		
45	4,450,556	5/22/84	Boleda et al.	370	58		
46	4,434,322	2/28/84	Ferrell	178	22.13		
47	4,270,027	5/26/81	Agrawal et al.	179	81R		
48	4,237,552	12/2/80	Aikoh et al.	370	83		
49	<del>4,132,242</del>	<del>1/2/79</del>	<del>Carroll, Jr.</del>	<del>137</del>	<del>263</del>	<i>seems irrelevant to invention</i>	
50	4,112,427	9/5/78	Hofer et al.	340	347		
51	3,729,717	4/24/73	de Koe et al.	340	172.5		
52	3,683,120	8/8/72	Schenkel	179	15A		
53	3,557,308	1/19/71	Alexander et al.	178	69.5		

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes   No
<i>Ph</i>	54	WO 98/37657	8/27/98	PCT	H04L		
<i>Ph</i>	55	WO 96/18261	6/13/96	PCT	H04M	11/00	

EXAMINER

*Pankaj Kumar*

DATE CONSIDERED

*4/2002*

\*EXAMINER

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office					Attorney Docket Number RA9-98-074/4269-61		Serial No. To Be Assigned	
LIST OF DOCUMENTS CITED BY APPLICANT  (Use several sheets if necessary)					Applicant: Abdelilah et al.			
					Filing Date : Concurrently Herewith			Group To Be Assigned
<i>Ph</i>	56	0 669 740 A2	12/14/94	Europe	H04L	27/00	X	
<i>Ph</i>	57	0 659 007 A2	11/8/94	Europe	H04M	11/06	X	
<i>Ph</i>	58	0 473 116 A2	8/27/91	Europe	H04N	1/00	X	
<i>Ph</i>	59	2 345 019	3/19/76	France	H04L	27/10	<i>Abg</i> X	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
<i>Ph</i>	60	Erup, et al., "Interpolation in Digital Modems - Part II: Implementation and Performance," IEEE Transactions on Communications, Vol. 41, No. 6, June 1993, pp. 998-1008						
<i>Ph</i>	61	Fischer, "Signal Mapping for PCM Modems," V-pcm Rapporteur Meeting, Sunriver, Oregon, USA, September 4-12, 1997, 5 pgs.						
<i>Ph</i>	62	Gardner, "Interpolation in Digital Modems - Part I: Fundamentals," IEEE Transactions on Communications, Vol. 41, No. 3, March 1993, pp. 501-507						
<i>Ph</i>	63	Humblet et al., "The Information Driveway," IEEE Communications Magazine, December 1996, pp. 64-68						
<i>Ph</i>	64	Kalet et al., "The Capacity of PCM Voiceband Channels," IEEE International Conference on Communications '93, May 23-26, 1993, Geneva, Switzerland, pp. 507-511						
<i>Ph</i>	65	Mueller et al., "Timing Recovery in Digital Synchronous Data Receiver," IEEE Transactions on Communications, Vol. Com-24, No. 5, May 1976, pp. 516-531						
<i>Ph</i>	65	Okubo et al., "Building Block Design of Large Capacity PCM-TDMA Subscriber System and Direct Digital Interface to Digital Exchange," Japan Radio Co., Ltd., Japan, pp. 69-73						
<i>Ph</i>	64	Pahlavan et al., "Nonlinear Quantization and the Design of Coded and Uncoded Signal Constellations," IEEE Transactions on Communications, Vol. 39, No. 8, August 1991, pp. 1207-1215						
<i>Ph</i>	68	Proakis, "Digital Signaling Over a Channel with Intersymbol Interference," Digital Communications, McGraw-Hill Book Company, 1983, pgs. 373, 381						
<i>Ph</i>	69	Williams et al., "Counteracting the Quantisation Noise from PCM Codecs," BT Laboratories, UK, pp. 24-29						

EXAMINER  
\*EXAMINER

*Pankaj Kumar*

DATE CONSIDERED

*4/2002*

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449 U.S. Department of Commerce</b> Patent and Trademark Office				Attorney Docket Number: RA9-98-074/4269-61		Serial No.: 09/264,085	
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)							
Applicants: Abdelilah et al.							
Filing Date: March 8, 1999						Group: Unknown	
<b>U. S. PATENT DOCUMENTS</b>							
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
<i>Ph</i> 	1	4,539,675	09-03-85	Fisher	370	32	
	2	5,249,205	09-28-93	Chennakeshu et al.	375	101	
	3	5,271,011	12-14-93	McMullan, Jr. et al.	371	5.3	
	4	5,293,401	03-08-94	Serfaty	375	13	
	5	5,309,484	05-03-94	McLane et al.	375	106	
	6	5,490,169	02-06-96	Blackwell et al.	375	232	
	7	5,517,213	05-14-96	Bhatt et al.	375	232	
	8	5,526,378	06-11-96	Knutson et al.	375	229	
	9	5,668,833	09-16-97	Kurokami et al.	375	233	
	10	5,742,642	04-21-98	Fertner	375	233	
	11	5,999,349	12-07-99	Choi	360	46	
	12	6,052,412	04-18-00	Ruether et al.	375	231	
	13	6,148,423	11-14-00	Le Mouel et al.	714	708	
	14	6,151,364	11-21-00	Ruether et al.	375	254	
	15	6,151,614	11-21-00	Ikeda	708	322	
<b>FOREIGN PATENT DOCUMENTS</b>							
	Document Number	Date	Country	Class	Subclass	Translation Yes   No	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
<i>Ph</i>	16	Ayanoglu, et al.; <i>An Equalizer Design Technique for the PCM Modem: A New Modem for the Digital Public Switched Network</i> ; IEEE Transactions on Communications; Vol. 46, No. 6; June 1988; Pages 763-774					
<i>Ph</i>	17	Picchi, G. et al.; <i>A blind Sag-So-DFD-FS equalizer</i> , Inst. Of Electron. & Telecommun., Pisa Univ., Italy, This paper appears in: Communications, 1988, ICC '88. Digital Technology -Spanning the Universe. Conference Record., IEEE International Conference					

 EXAMINER  
 EXAMINER

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

4/2002